



U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)										Atty. Docket No. 62942-B/JPW/AJD		Serial No. 09/912,824			
										Applicant(s) Graham P. Allaway et al.					
										Filing Date July 25, 2001				Group Art Unit 1648	
U.S. PATENT DOCUMENTS															
Examiner Initials	Exh. No. [§]	Document Number							Date	Name	Class	Subclass	Filing Date If Appropriate		
	1	5	4	6	4	9	6	3	11/07/95	Bolognesi et al.					
	2	5	6	0	3	9	3	3	02/18/97	Dwyer et al.					
	3	5	6	6	8	1	4	9	09/16/97	Oroszlan et al.					
	4	5	8	1	7	7	6	7	10/06/98	Allaway et al.					
FOREIGN PATENT DOCUMENTS															
		Document Number							Date	Country	Class	Subclass	Translation		
													Yes	No	
	42	9	2	0	1	4	5	1	02/06/92	PCT					
	43	9	6	4	1	0	2	0	12/19/96	PCT					
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	45	9	7	3	7	0	0	5	10/27/97	PCT					
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)															
	58	Allaway, G.P. et al. (1995) Expression and characterization of CD4-IgG2, a novel heterotetramer which neutralizes primary HIV-1 isolates. AIDS Res. Hum. Retroviruses 11: 533-539;													
	59	Allaway, G.P. et al. (1993) Synergistic inhibition of HIV-1 envelope-mediated cell fusion by CD4-based molecules in combination with antibodies to gp120 or gp41. AIDS Res. Hum. Retroviruses 9: 581-587;													
	60	Allaway, G.P. et al. (1993) Synergistic inhibition of HIV-1 envelope-mediated cell fusion by CD4-based molecules in combination with antibodies to gp120 or gp41. J. Cell. Biochem. 17E: 25, see abstract;													
	61	Amara, A. et al. (1997) HIV coreceptor downregulation as antiviral principle: SDF-la-dependent internalization of the chemokine receptor CXCR4 contributes to inhibition of HIV replication. J. Exp. Med. 186: 139-146;													
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	5	5	9	9	4	5	1	5	11/30/99	Hoxie					
	6	6	5	2	8	6	2	5	03/04/03	Wu et al.					
	7	6	5	4	8	6	3	6	04/15/03	Dragic et al.					
	8	6	6	9	2	7	4	5	02/17/04	Olson et al.					
	9	6	7	5	9	5	1	9	07/06/04	Li et al.					
	10	Pending claims in 09/888,938								Allaway et al.				06/25/01	
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	49	9	8	1	8	8	2	6	05/07/98	PCT					
	50	9	8	5	6	4	2	1	12/17/98	PCT					
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66	Burkly, L. et al. (1995) Synergistic inhibition of human immunodeficiency virus type 1 envelope glycoprotein-mediated cell fusion and infection by an antibody to CD4 domain 2 in combination with anti-gp120 antibodies. J. Virol. 69: 4267-4273;														
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68	Capon, D.J. et al. (1989) Designing CD4 immunoadhesins for AIDS therapy. Nature 337: 525-531;														
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Form PTO-1449

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62942-B/JPW/AJDSerial No.
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Examiner Initials	Exh. No. [§]	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
Y	11	Allowed claims in 10/323,314		Dragic et al.			12/19/02
	12	08 6 2 7 6 8 4		Allaway et al.			04/02/96
		60 0 1 4 5 3 2		Allaway et al.			04/02/96
	13	08 6 6 3 6 1 6		Allaway et al.			06/14/96
		60 0 1 9 7 1 5		Allaway et al.			06/14/96
	14	08 6 7 3 6 8 2		Allaway et al.			06/25/96
	15	08 6 6 5 0 9 0		Allaway et al.			06/14/96

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	53	0 1 6 4 7 1 0	09/07/01	PCT				
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	72	Choe, H. et al. (1996) The beta-chemokine receptors CCR3 and CCR5 facilitate infection by primary HIV-1 isolates. Cell 85: 1135-1148;
	73	Clapham, P.R. et al. (1989) Soluble CD4 blocks the infectivity of diverse strains of HIV and SIV for T cells and monocytes but not for brain and muscle cells. Nature 337: 368-370;
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	75	Connor, R.I. et al. (1997) Change in co-receptor use correlates with disease progression in HIV-1 infected individuals. J. Exp. Med. 185: 621-628;
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		60 0 1 9 9 4 1		Allaway et al.			06/14/96
	16	0 8 8 7 4 5 7 0		Allaway et al.			06/13/97
	17	0 8 8 7 4 6 1 8		Allaway et al.			06/13/97
	18	Pending claims in 09/724,105		Allaway et al.			11/28/00
	19	Pending claims in 09/852,238		Allaway et al.			05/09/01
		0 9 2 1 2 7 9 3		Olson et al.			12/16/98
		60 1 1 2 5 3 2		Olson et al.			12/16/98

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	55	0 2 0 6 8 6 0 8	09/06/02	PCT				
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	78	Dalgleish, A.G. et al. (1984) The CD4 (T4) antigen is an essential component of the receptor for the AIDS retrovirus. Nature 312: 763-766;
	79	Deen, K.C. et al. (1988) A soluble form of CD4 (T4) protein inhibits AIDS virus infection. Nature 331: 82-84;
	80	Deng, H. et al. (1996) Identification of a major co-receptor for primary isolates of HIV-1. Nature 381: 661-666
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	20	0 9 4 6 4 9 0 2		Olson et al.			12/16/99			
	21	0 9 5 9 4 9 8 3		Olson et al.			06/15/00			
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	25	2 0 0 2 / 0 1 4 6 4 1 5	10/10/02	Olson et al.						
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	28	2 0 0 3 / 0 0 9 2 6 3 2	05/15/03	Dragic et al.				
	29	2 0 0 3 / 0 2 2 8 3 0 6	12/11/03	Olson et al.				
	30	Pending claims in 10/763,545		Olson et al.			01/23/04	
	31	Pending claims in 09/460,216		Allaway et al.			12/13/99	
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	93	Gauduin, M.C. et al. (1996) Effective ex vivo neutralization of plasma HIV-1 by recombinant immunoglobulin molecules. J. Virol. 70: 2586-2592;						
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	97	Jiang, S. et al. (1993) HIV-1 inhibition by a peptide. Nature 365: 113;						
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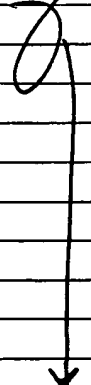
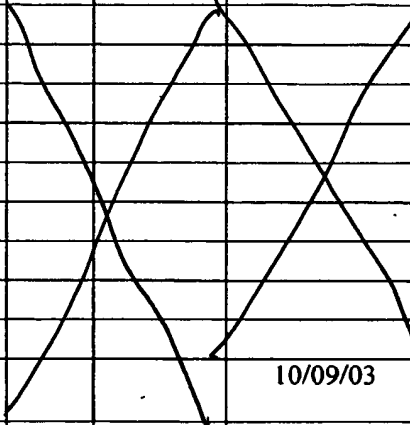
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	32	2 0 0 3 / 0 0 2 3 0 4 4	01/30/03	Li et al.			
	33	2 0 0 2 / 0 0 4 8 7 8 6	04/25/02	Rosen et al.			
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	37	2 0 0 2 / 0 1 0 6 7 4 2	08/08/02	Samson et al.			
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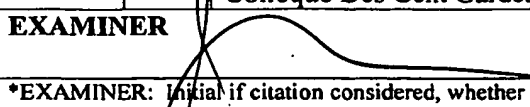
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113	Posner, M.R. et al. (1993) Neutralization of HIV-1 by F105, a human monoclonal antibody to the CD4 binding site of gp120. <i>J. Acq. Immune Defic. Synd.</i> 6: 7-14;		
114	Rudikoff, et al. (1982) Single amino acid substitution altering antigen-binding specificity. <i>Proc. Natl. Acad. Sci. U.S.A.</i> 79: 1979-1983;		
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119	Tilley, S.A. et al. (1992) Synergistic neutralization of HIV-1 by human monoclonal antibodies against the V3 loop and the CD4-binding site of gp120. <i>AIDS Res. Hum. Retroviruses</i> 8: 461-467;		
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	128	Wild, C. et al. (1992) A synthetic peptide inhibitor of human immunodeficiency virus replication: correlation between solution structure and viral inhibition. <i>Proc. Natl. Acad. Sci. U.S.A.</i> 89: 10537-10541;	
	129	Wild, C. et al. (1994) Peptides corresponding to a predictive alpha-helical domain of human immunodeficiency virus type 1 gp41 are potent inhibitors of virus infection. <i>Proc. Natl. Acad. Sci. U.S.A.</i> 91: 9770-9774;	
	130	Wu, L. et al. (1997) Interaction of chemokine receptor CCR5 with its ligands: multiple domains for HIV-1 gp120 binding and a single domain for chemokine binding. <i>J. Exp. Med.</i> 186: 1373-1381;	
	131	Wu, L. et al. (1997) CCR5 levels and expression pattern correlate with infectability by macrophage-tropic HIV-1, <i>in vitro</i> . <i>J. Exp. Med.</i> 185: 1681-1691; and	
	132	Ylisastigui, L. et al. (1998) Synthetic full length and truncated RANTES inhibit HIV-1 infection of primary macrophages. <i>AIDS</i> 12: 977-984.	
EXAMINER		DATE CONSIDERED	
		01/22/05	
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

[§] Note that this column shows Exhibit numbers, not reference numbers. Reference numbers are listed on pages 14-31 of the attached Amendment.